

Fig. 1

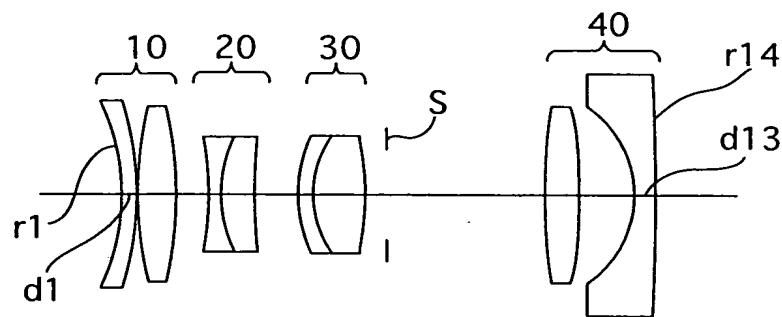
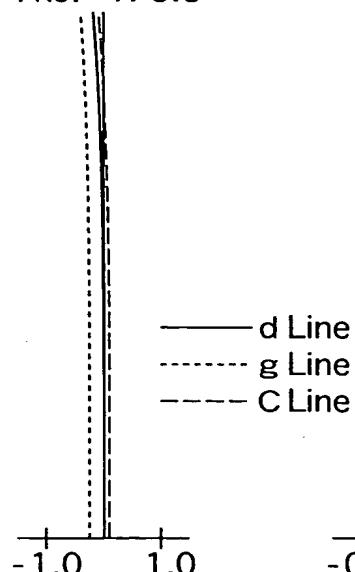


Fig. 2A

FNo.= 1: 5.8

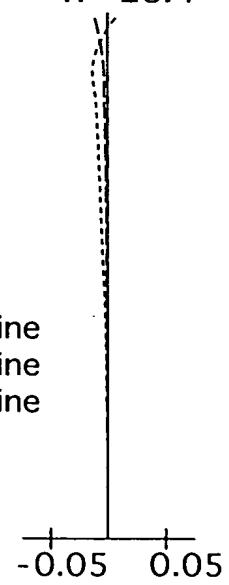


SPHERICAL  
ABERRATION

CHROMATIC  
ABERRATION

Fig. 2B

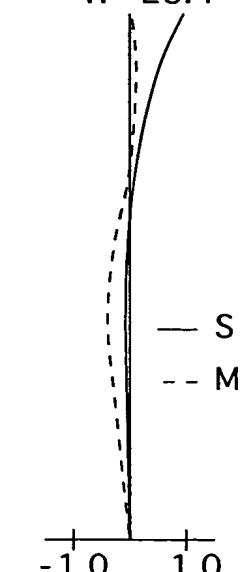
$W=28.4^\circ$



LATERAL  
CHROMATIC  
ABERRATION

Fig. 2C

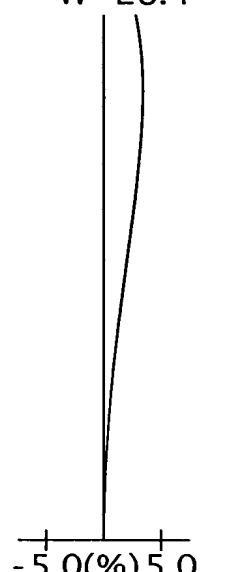
$W=28.4^\circ$



ASTIGMATISM

Fig. 2D

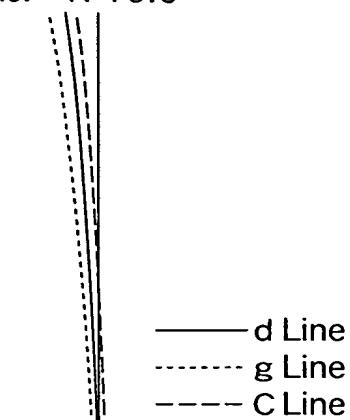
$W=28.4^\circ$



DISTORTION

**Fig. 3A**

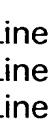
FNo.= 1: 10.6



-1.0 1.0  
SPHERICAL  
ABERRATION  
CHROMATIC  
ABERRATION

**Fig. 3B**

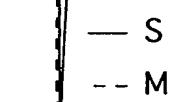
W=13.3°



-0.05 0.05  
LATERAL  
CHROMATIC  
ABERRATION

**Fig. 3C**

W=13.3°



-1.0 1.0  
ASTIGMATISM

**Fig. 3D**

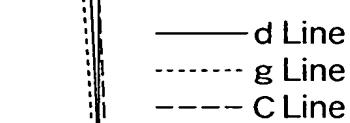
W=13.3°



-5.0 (%) 5.0  
DISTORTION

**Fig. 4A**

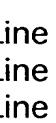
FNo.= 1: 12.5



-1.0 1.0  
SPHERICAL  
ABERRATION  
CHROMATIC  
ABERRATION

**Fig. 4B**

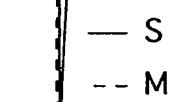
W=8.8°



-0.05 0.05  
LATERAL  
CHROMATIC  
ABERRATION

**Fig. 4C**

W=8.8°



-1.0 1.0  
ASTIGMATISM

**Fig. 4D**

W=8.8°



-5.0 (%) 5.0  
DISTORTION

Fig. 5A

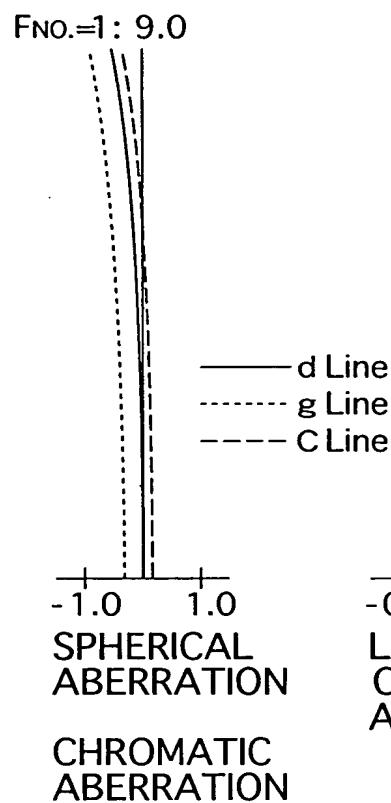


Fig. 5B

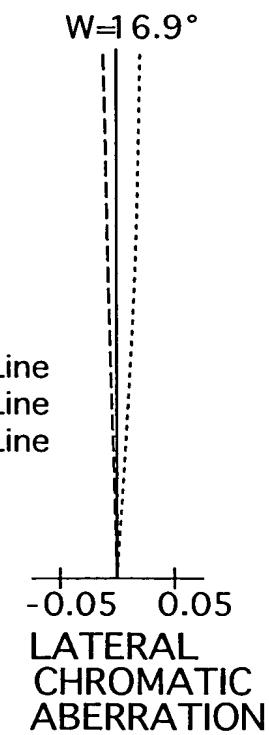


Fig. 5C

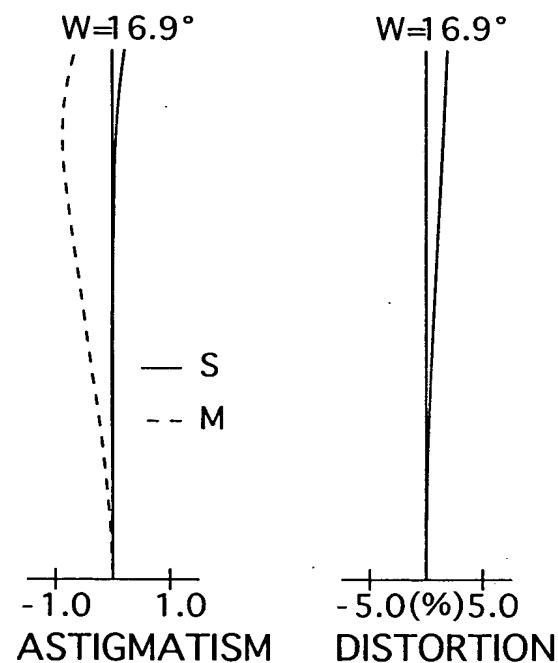


Fig. 5D

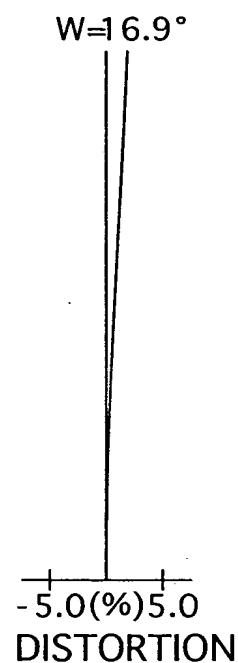


Fig. 6A

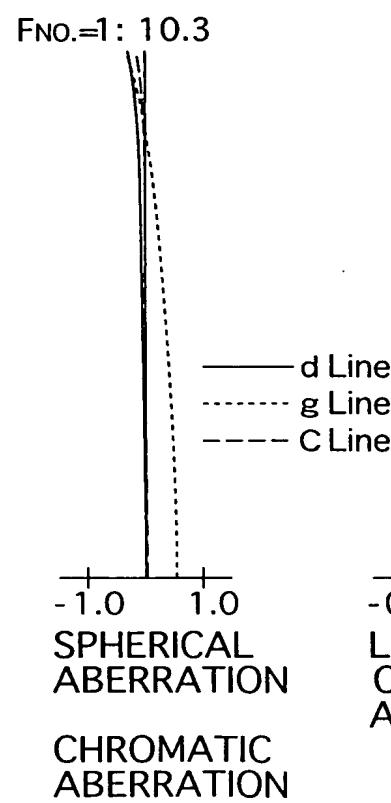


Fig. 6B

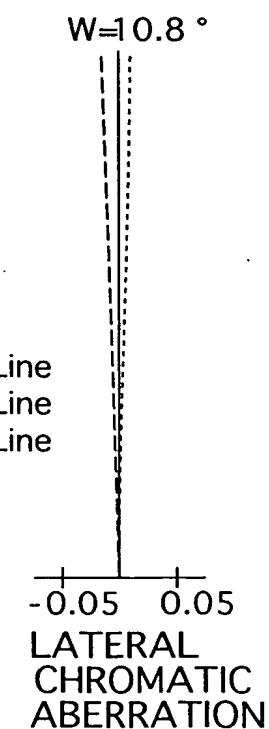


Fig. 6C

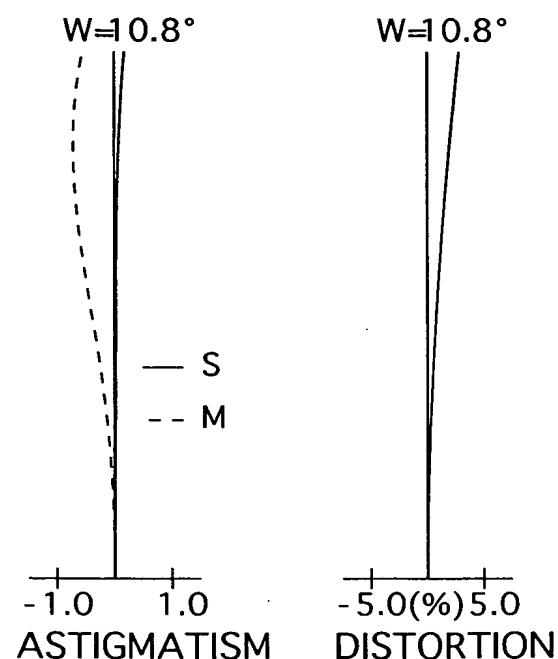


Fig. 6D

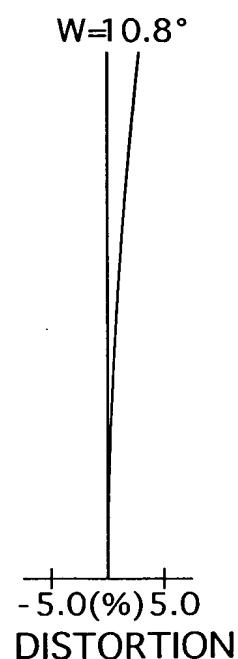


Fig. 7

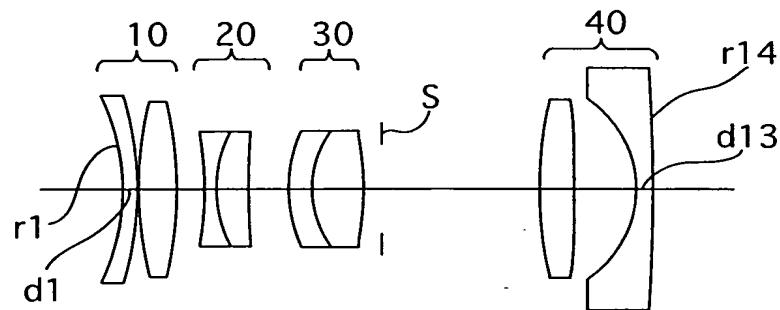
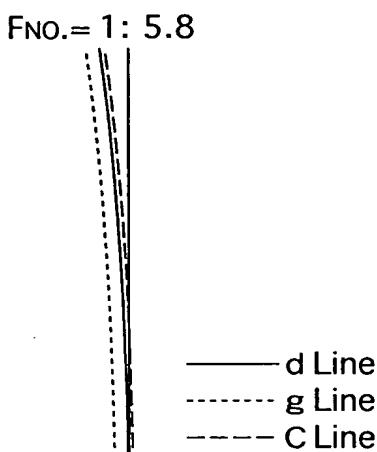
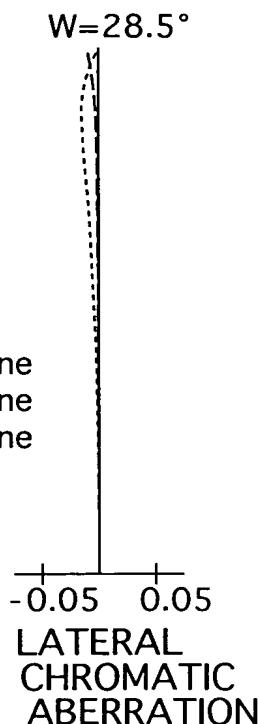


Fig. 8A



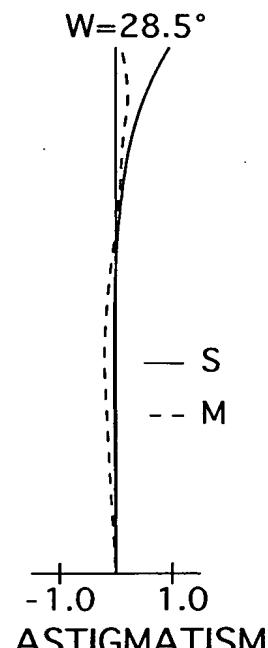
-1.0 1.0  
SPHERICAL  
ABERRATION  
CHROMATIC  
ABERRATION

Fig. 8B



-0.05 0.05  
LATERAL  
CHROMATIC  
ABERRATION

Fig. 8C



-1.0 1.0  
ASTIGMATISM

Fig. 8D

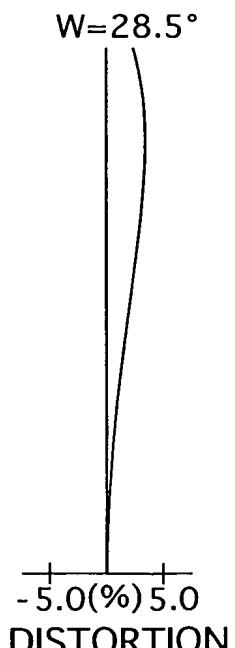
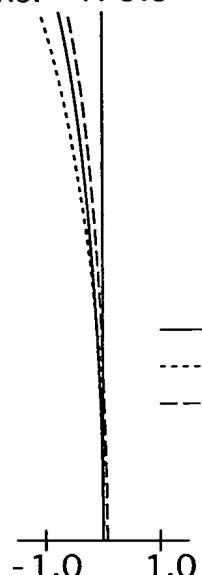


Fig. 9A

FNO.= 1: 9.9



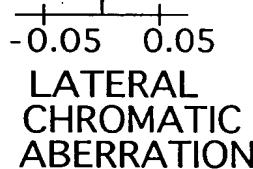
SPHERICAL  
ABERRATION

CHROMATIC  
ABERRATION

Fig. 9B

$W=13.2^\circ$

— d Line  
- - - g Line  
- - - C Line

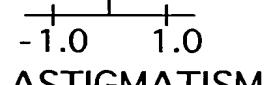


LATERAL  
CHROMATIC  
ABERRATION

Fig. 9C

$W=13.2^\circ$

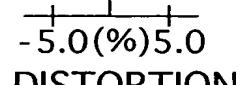
— S  
- - M



ASTIGMATISM

Fig. 9D

$W=13.2^\circ$

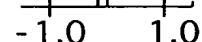


DISTORTION

Fig. 10A

FNO.= 1: 12.8

— d Line  
- - - g Line  
- - - C Line



SPHERICAL  
ABERRATION

CHROMATIC  
ABERRATION

Fig. 10B

$W=8.6^\circ$

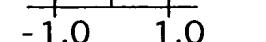


LATERAL  
CHROMATIC  
ABERRATION

Fig. 10C

$W=8.6^\circ$

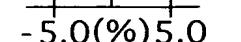
— S  
- - M



ASTIGMATISM

Fig. 10D

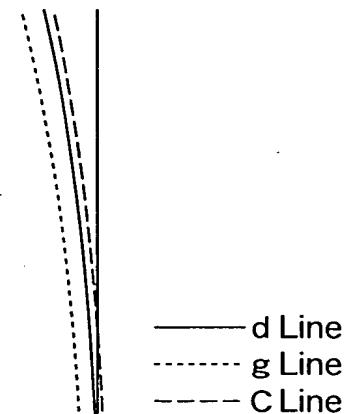
$W=8.6^\circ$



DISTORTION

Fig.11A

FNo.=1: 9.5

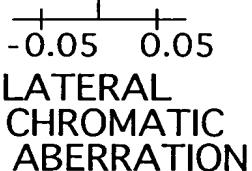


SPHERICAL  
ABERRATION

CHROMATIC  
ABERRATION

Fig.11B

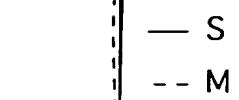
W=16.9°



LATERAL  
CHROMATIC  
ABERRATION

Fig.11C

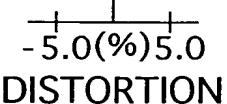
W=16.9°



ASTIGMATISM

Fig.11D

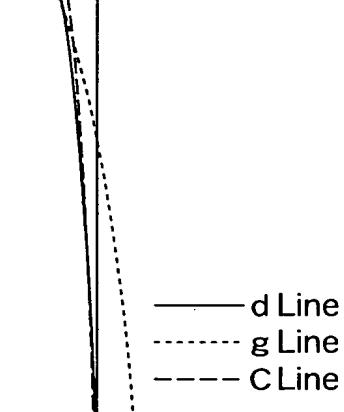
W=16.9°



DISTORTION

Fig.12A

FNo.=1: 10.4

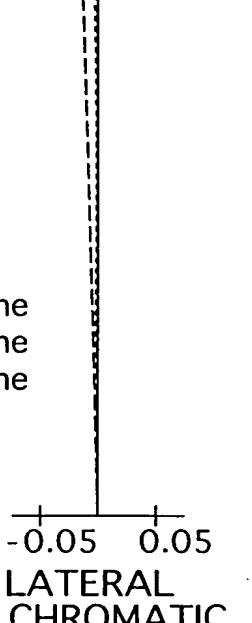


SPHERICAL  
ABERRATION

CHROMATIC  
ABERRATION

Fig.12B

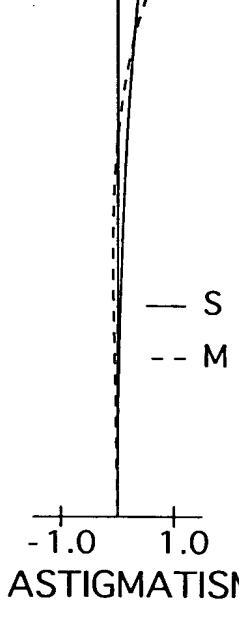
W=10.9°



LATERAL  
CHROMATIC  
ABERRATION

Fig.12C

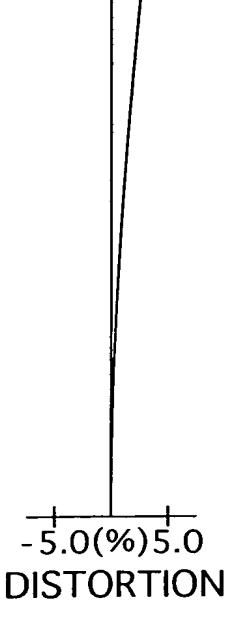
W=10.9°



ASTIGMATISM

Fig.12D

W=10.9°



DISTORTION

Fig. 13

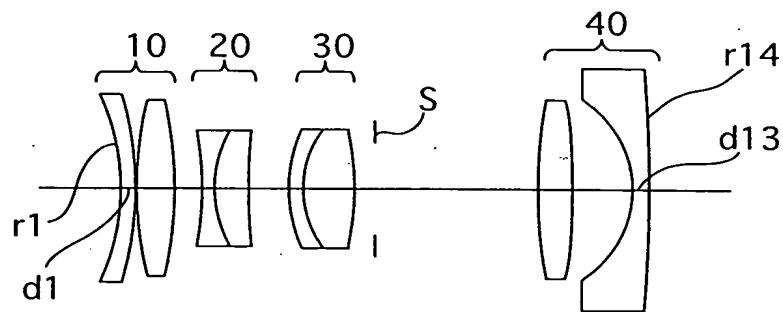


Fig.14A

FNo.=1: 5.8

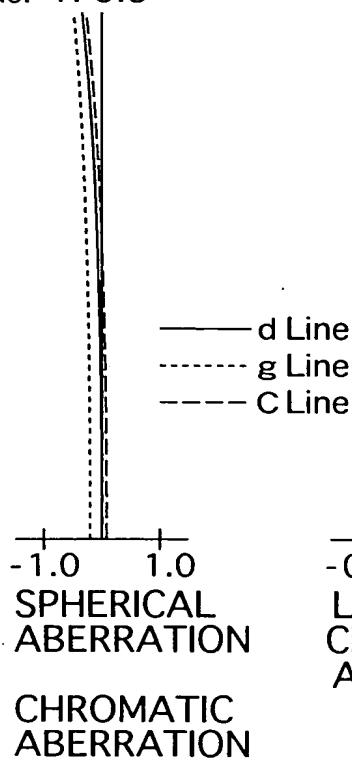


Fig.14B

W=28.5°

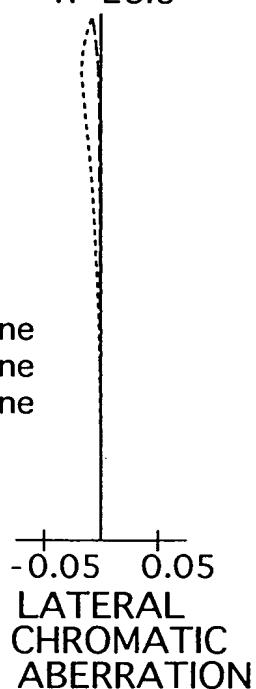


Fig.14C

W=28.5°

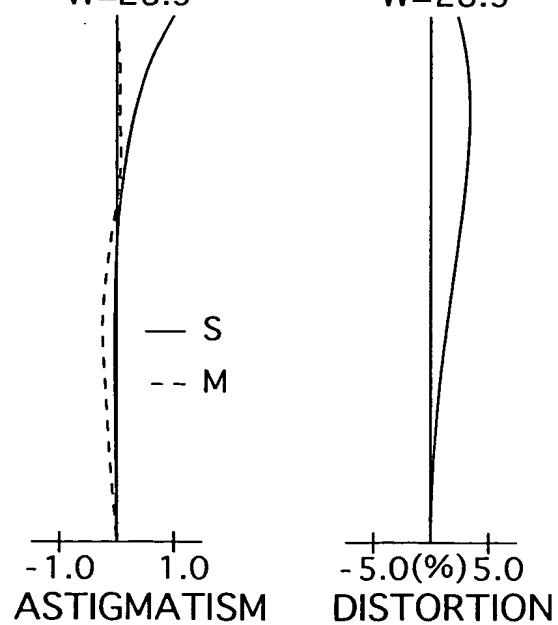


Fig.14D

W=28.5°

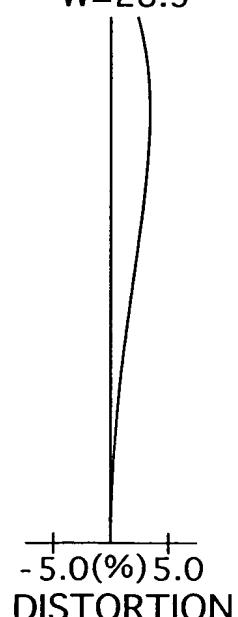
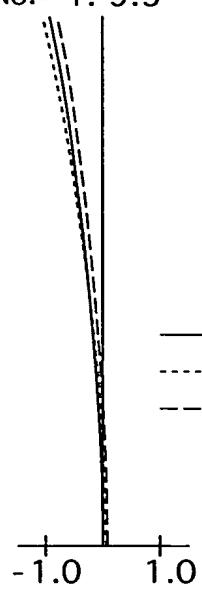


Fig.15A

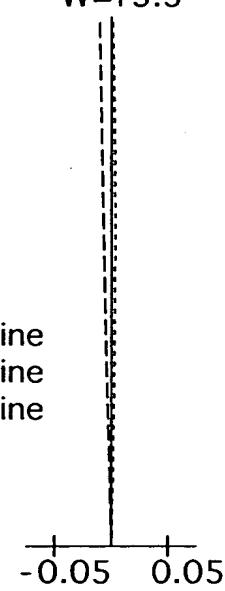
FNO.= 1: 9.5



SPHERICAL  
ABERRATION  
CHROMATIC  
ABERRATION

Fig.15B

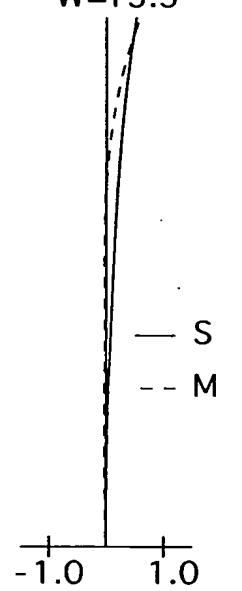
W=13.3°



LATERAL  
CHROMATIC  
ABERRATION

Fig.15C

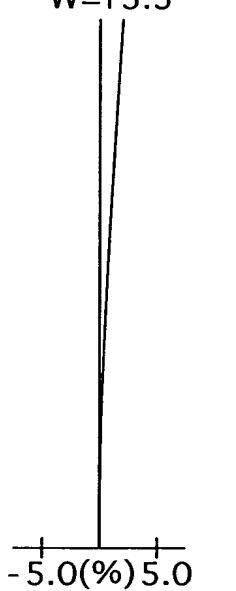
W=13.3°



ASTIGMATISM

Fig.15D

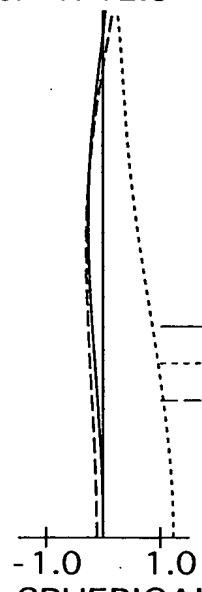
W=13.3°



DISTORTION

Fig.16A

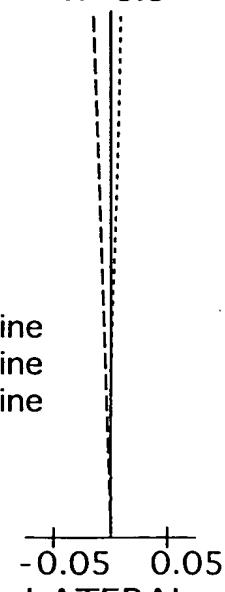
FNO.= 1: 12.5



SPHERICAL  
ABERRATION  
CHROMATIC  
ABERRATION

Fig.16B

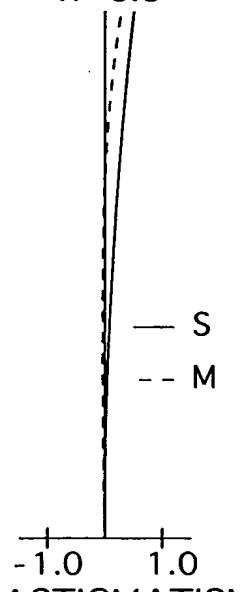
W=8.8°



LATERAL  
CHROMATIC  
ABERRATION

Fig.16C

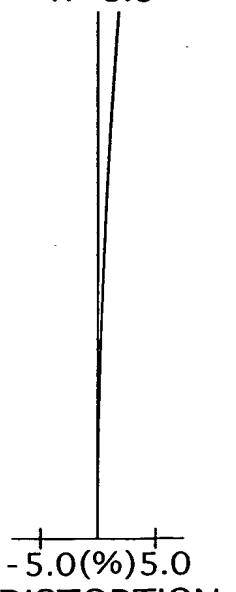
W=8.8°



ASTIGMATISM

Fig.16D

W=8.8°



DISTORTION

Fig.17A

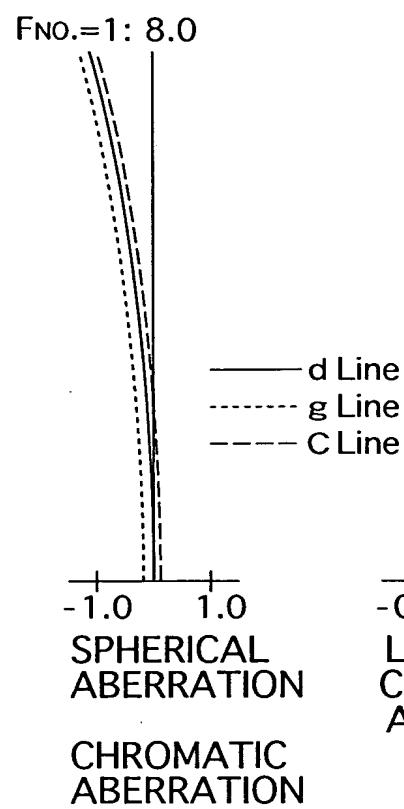


Fig.17B

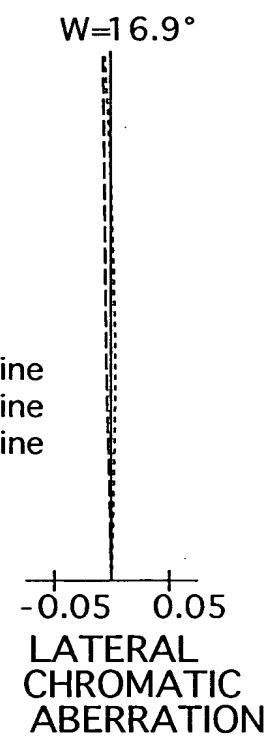


Fig.17C

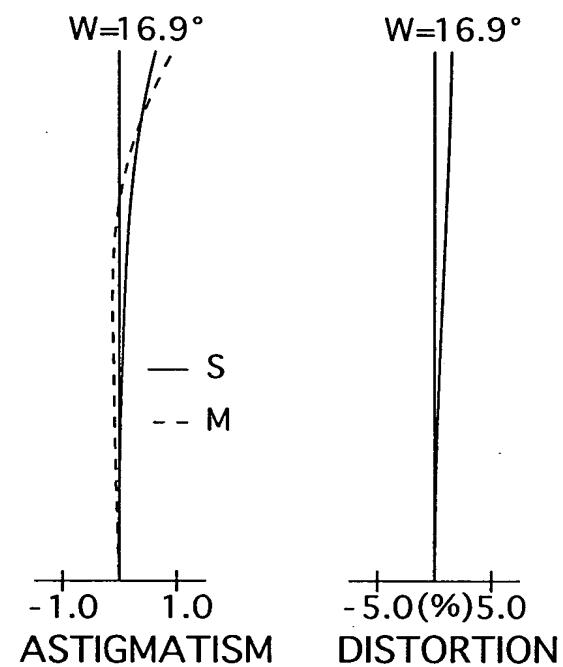


Fig.17D

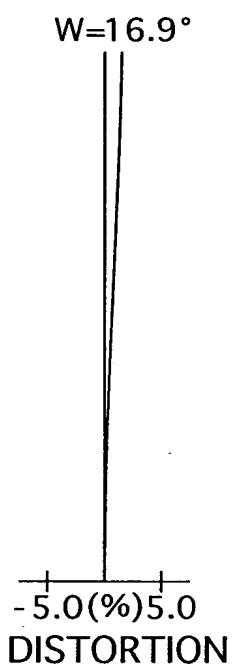


Fig.18A

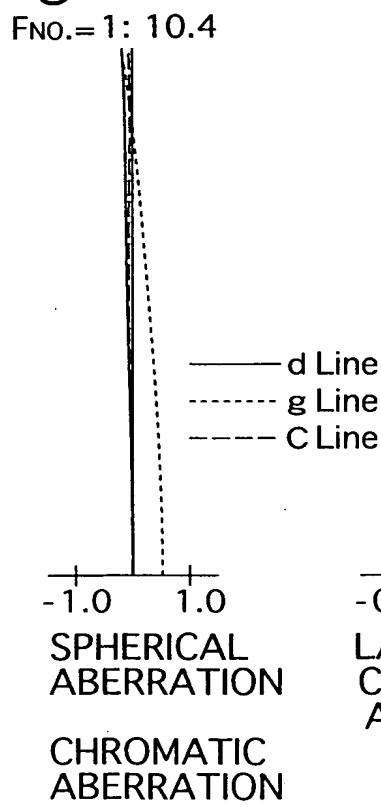


Fig.18B

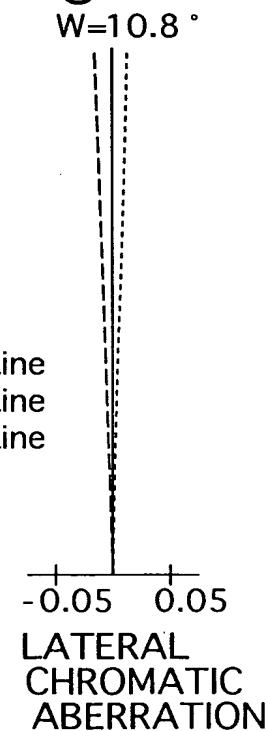


Fig.18C

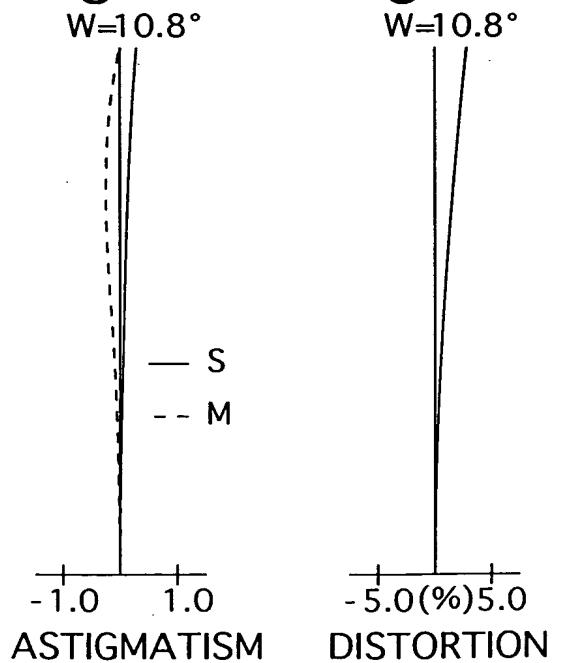


Fig.18D

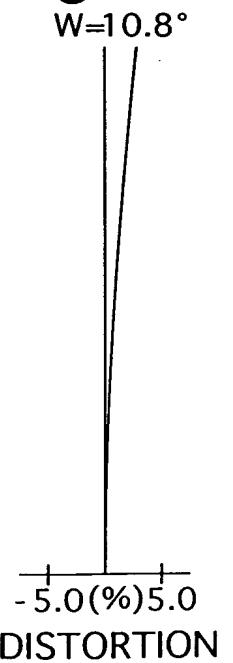


Fig. 19

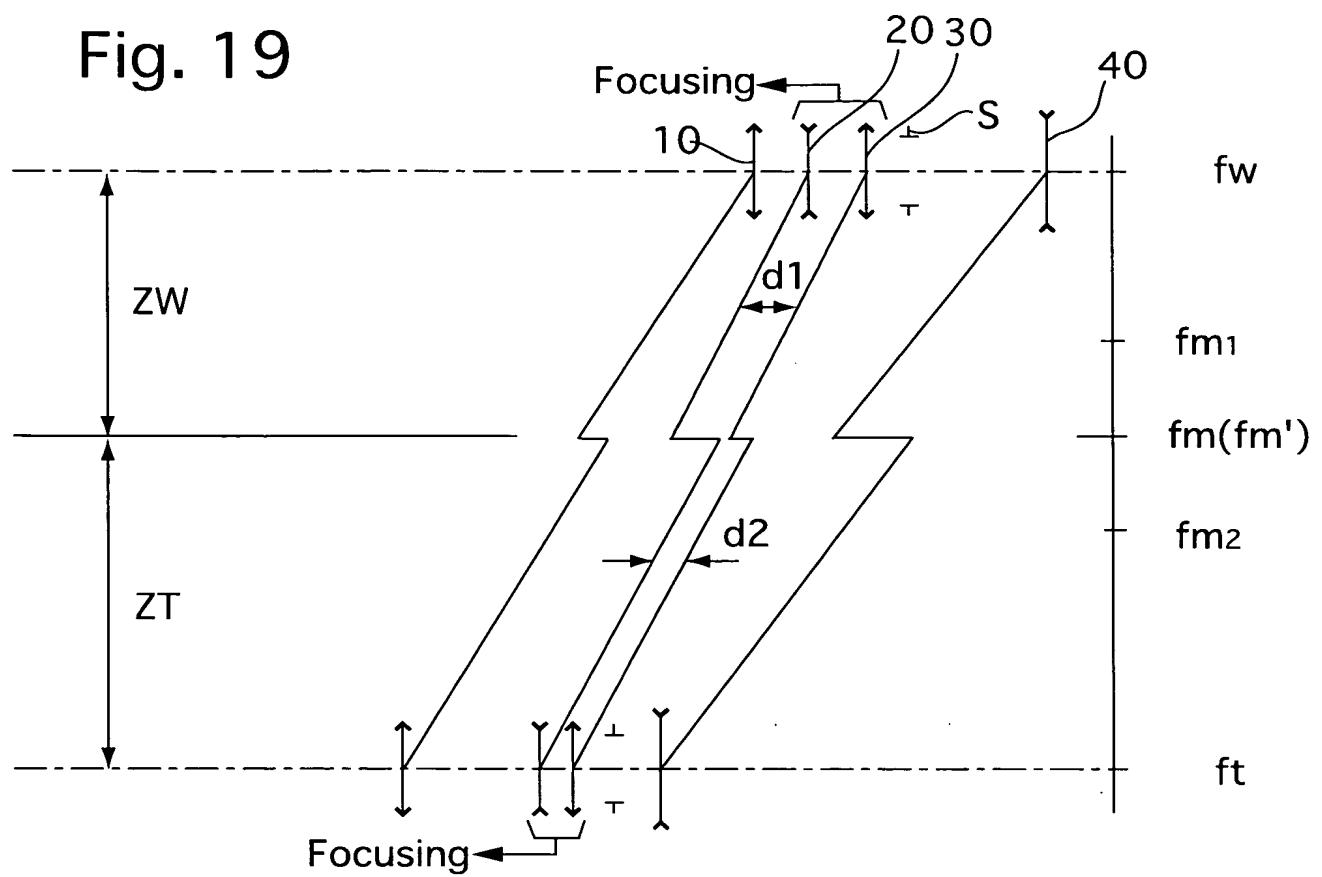


Fig. 20

